

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1           **Claim 1 (original):** A refrigerator comprising:  
2           a cabinet;  
3           a first refrigerated compartment within the cabinet  
4           having a door;  
5           a second refrigerated compartment within the cabinet;  
6           a dividing wall separating the first refrigerated  
7           compartment from the second refrigerated compartment;  
8           a duct connecting the first refrigerated compartment  
9           for airflow communication with the second refrigerated  
10          compartment;  
11          a damper movable between an open position and a closed  
12          position for controlling airflow within the duct;  
13          a refrigeration apparatus having a refrigeration cycle  
14          being measured from a first starting of the refrigeration  
15          apparatus to a second consecutive starting of the  
16          refrigeration apparatus, and an off cycle being a time  
17          within said refrigeration cycle during which the  
18          refrigeration apparatus is not operating;  
19          a controller for controlling the damper; and  
20          a door sensor connected to the controller for  
21          detecting when the door is open;

22 wherein if the controller determines that the door has  
23 remained closed for a set number of refrigeration cycles,  
24 the controller maintains the damper in the closed position  
25 during a subsequent consecutive off cycle.

1 **Claim 2 (original):** The refrigerator of claim 1,  
2 wherein the refrigeration apparatus is a compressor.

1 **Claim 3 (original):** The refrigerator of claim 1,  
2 wherein the set number of refrigeration cycles is three.

1 **Claim 4 (original):** The refrigerator of claim 1,  
2 wherein the set number of refrigeration cycles is one.

1 **Claim 5 (previously presented):** An apparatus for  
2 controlling airflow between compartments in a two  
3 compartment refrigerator having a door, the apparatus  
4 comprising:

5 a damper for opening and closing a duct between the  
6 two compartments of the refrigerator;

7 a controller for controlling the opening and closing  
8 of the damper; and

9 a door sensor connected to the controller for  
10 detecting when the door is open;

11 wherein if the controller determines that the door has  
12 remained closed for a set period, the controller closes

13        and/or maintains the damper in the closed position during  
14        a subsequent operation of a refrigeration apparatus.

1            **Claim 6 (original):** The apparatus of claim 5, wherein  
2        the two compartments comprise a frozen food compartment and  
3        a fresh food compartment, the door being associated with  
4        the fresh food compartment.

1            **Claim 7 (original):** The apparatus of claim 5, wherein  
2        the door sensor is a switch.

1            **Claim 8 (original):** The apparatus of claim 5, wherein  
2        the set period is a set number of on/off cycles of a  
3        compressor of the refrigerator.

1            **Claim 9 (original):** The apparatus of claim 8, wherein  
2        the set number of on/off cycles is three.

1            **Claim 10 (original):** A self defrosting refrigerator  
2        comprising:  
3            a cabinet;  
4            a first refrigerated compartment within the cabinet  
5        having a first door;  
6            a second refrigerated compartment within the cabinet  
7        having a second door;

8           a dividing wall separating the first refrigerated  
9           compartment from the second refrigerated compartment;

10           a duct connecting the first refrigerated compartment  
11           for airflow communication with the second refrigerated  
12           compartment;

13           a damper movable between an open position and a closed  
14           position for controlling airflow within the duct;

15           a refrigeration apparatus within the cabinet; and

16           a controller for controlling the damper;

17           wherein the controller carries out a damper cleaning  
18           operation in which the controller at least partially opens  
19           and then at least partially closes the damper a set number  
20           of times at a set interval.

1           **Claim 11 (original):** The refrigerator of claim 10  
2           wherein the controller carries out the damper cleaning  
3           operation prior to energizing an evaporator fan.

1           **Claim 12 (original):** The refrigerator of claim 10,  
2           further comprising a defrosting apparatus, wherein the  
3           controller carries out the damper cleaning operation  
4           subsequent to an operation of the defrosting apparatus.

1           **Claim 13 (original):** The refrigerator of claim 10,  
2           further comprising a defrosting apparatus, wherein the  
3           controller carries out the damper cleaning operation

4       between an operation of the defrosting apparatus and a  
5       subsequent consecutive energizing of the evaporator fan.

1           **Claim 14 (original):** The refrigerator of claim 10,  
2       wherein during the cleaning operation the damper is moved  
3       from a fully open position to a fully closed position.

1           **Claim 15 (original):** A damper cleaning apparatus for  
2       a two compartment refrigerator having a damper for  
3       controlling airflow between compartments, the damper  
4       cleaning apparatus comprising:

5           a damper drive mechanism for opening and closing the  
6       damper; and

7           a controller for controlling the damper drive  
8       mechanism wherein the controller carries out a cleaning  
9       operation by at least partially opening and then partially  
10      closing the damper a set number of times at a set interval.

1           **Claim 16 (original):** The damper cleaning apparatus of  
2       claim 15, wherein the controller carries out the damper  
3       cleaning operation prior to an operation of the an  
4       evaporator fan of the refrigerator.

1           **Claim 17 (original):** The damper cleaning apparatus of  
2       claim 15, wherein the controller carries out the damper  
3       cleaning operation subsequent to a defrost operation of the

4 refrigerator.

**Claim 18 (canceled)**

1 **Claim 19 (currently amended):** ~~The A method of claim~~  
2 ~~18, further for cleaning a damper in a refrigerator~~  
3 ~~comprising a step of steps of:~~

4 at least partially opening the damper;  
5 following the step of opening, waiting for a set  
6 period and then at least partially closing the damper;  
7 repeating the steps of at least partially opening and  
8 waiting a set number of times; and

9 initiating a defrosting operation of the refrigerator  
10 prior to the step of opening.

1 **Claim 20 (currently amended):** ~~The A method of claim~~  
2 ~~18, further for cleaning a damper in a refrigerator~~  
3 ~~comprising a step of steps of:~~

4 at least partially opening the damper;  
5 following the step of opening, waiting for a set  
6 period and then at least partially closing the damper;  
7 repeating the steps of at least partially opening and  
8 waiting a set number of times; and

9 commencing a cooling operation of the refrigeration  
10 apparatus following the step of repeating.

1           **Claim 21 (previously presented):** The refrigerator of  
2           claim 1, wherein the controller opens the damper during an  
3           off cycle when the second refrigerated compartment requires  
4           cooling.

1           **Claim 22 (previously presented):** A refrigerator  
2           comprising:  
3           a cabinet;  
4           a first refrigerated compartment within the cabinet  
5           having a door;  
6           a second refrigerated compartment within the cabinet;  
7           a dividing wall separating the first refrigerated  
8           compartment from the second refrigerated compartment;  
9           a duct connecting the first refrigerated compartment  
10          for airflow communication with the second refrigerated  
11          compartment;  
12          a damper movable between an open position and a closed  
13          position for controlling airflow within the duct;  
14          a refrigeration apparatus having a refrigeration cycle  
15          being measured from a first starting of the refrigeration  
16          apparatus to a second consecutive starting of the  
17          refrigeration apparatus, and an off cycle being a time  
18          within said refrigeration cycle during which the  
19          refrigeration apparatus is not operating;  
20          a controller for controlling the damper; and  
21          a door sensor connected to the controller for

22        detecting when the door is open;  
23                wherein if the controller determines that the door  
24        been opened during a set number of prior refrigeration  
25        cycles, the controller opens the damper when the second  
26        refrigerated compartment requires cooling.